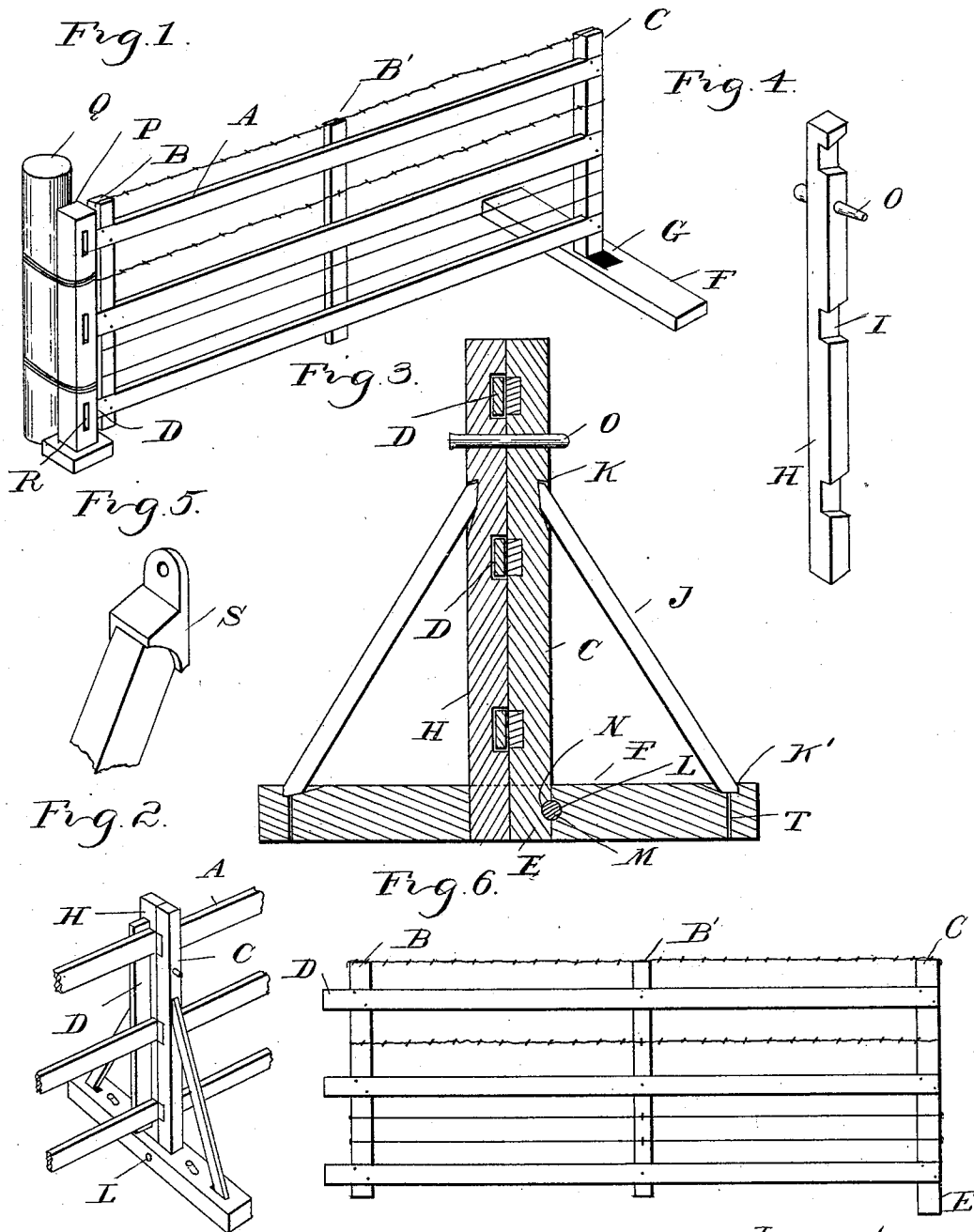


(No Model.)

F. A. DE LAND.
FENCE.

No. 486,632.

Patented Nov. 22, 1892.



Witnesses
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UNITED STATES PATENT OFFICE.

FRANK. A. DE LAND, OF MEMPHIS, MICHIGAN.

FENCE.

SPECIFICATION forming part of Letters Patent No. 486,632, dated November 22, 1892.

Application filed June 24, 1892. Serial No. 437,903. (No model.)

To all whom it may concern:

Be it known that I, FRANK. A. DE LAND, a citizen of the United States, residing at Memphis, in the State of Michigan, have invented certain new and useful Improvements in Fences, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to new and useful improvements in fences; and the invention consists in the peculiar construction of a portable knockdown fence constructed in panels detachably secured together, and, further, in the peculiar construction, combination, and arrangement of the various parts, all as more fully hereinafter described.

In the drawings, Figure 1 is a perspective view showing an end section of my improved fence in process of construction. Fig. 2 is a perspective view of one of the posts of a complete portion of the fence. Fig. 3 is a vertical central section through one of the posts. Fig. 4 is a detached perspective view of the securing portion of the post. Fig. 5 is a detached perspective view of a modified form of socket for the braces of the post. Fig. 6 is an elevation of one of the panels detached.

My fence is made up of panels consisting of a series of boards or longitudinal strips A, connected together by cross-strips or connecting-posts B, B', and C. The post B' is substantially at the middle, and there may be one or more of these. The post B is near one end, leaving the tongues D of the boards A projecting beyond the same. The post C is at the other end and forms a half of the fence-post having the downward-extending foot E.

F is a bed-piece having a central aperture G, in which the foot E of the post C is adapted to engage, such foot filling about half of the aperture. This post is secured in position in connection with the ends of an adjoining panel by means of the securing-post H, having formed on its inner face a series of notches I, which are flaring at one side or substantially-dovetail shape. In these notches are engaged the tongues D of the adjoining section. The two posts are then secured together, as shown in Fig. 3, and inserted into the aperture G of the bed-piece F. Before they are allowed to enter the aperture G in said bed-piece to

the bottom thereof the braces J are secured in position, one end being engaged in gains K near the top of the posts and the other ends in notches K' near the ends of the bed-pieces. The posts being now lowered as far as the braces will permit to the bottom of the aperture G, the posts will be prevented from side motion and the braces will be locked in position. The pin L is now driven through the aperture M in the bed-piece, which engages in the notch N in one of the posts, as shown in Fig. 3, and prevents the post from being disengaged from the bed-piece. The two parts of the post are secured together by means of a pin O, passing through the two. The next section is now secured in the same manner, and in this way the fence is built up.

In starting I ordinarily employ the post P, secured to a ground post Q in any desired manner, and where I desire to turn corners that post is provided with mortises R, in which the tongues D of the first section are engaged. In place of forming the gains K in the post I may secure to the outside of the post a metal socket S, in which the upper ends of the braces engage. To prevent the collecting of water in the notches K' in the ground piece, I bore holes T from the base of said notches to drain the same.

The notches I in the securing-post H are made flaring or substantially-dovetail shape to enable me to raise and lower the posts in engaging and disengaging them from the aperture G in the bed-piece and also to enable me to build a fence on uneven ground.

It is evident from this description that my fence may be built and dismantled very quickly by simply driving out the two pins O and L in each section, and the entire fence may be taken to pieces and packed for convenient shipment.

Where desired, I may make the panel of composite wood and wire, as shown in Figs. 1 and 6.

What I claim as my invention is—

1. In a portable fence, the combination, with a series of longitudinal strips, connecting cross-strips, and tongues extending beyond one of the cross-strips, of a post composed of one of the cross-strips and a complementary number having grooves on its inner face, in

which the tongues of the adjacent panels are adapted to engage, a base for the post, and means for uniting the two sections of the post in close contact, substantially as described.

5 2. In a portable fence, the combination of panels, each panel comprising longitudinal strips and posts, an end post C, having extensions E, the tongues D at the other end, the base having aperture G, with which the extension
10 engages, the securing-post H, having gains I to receive the tongues, said post forming a complementary half of the fence-post, and means for uniting the two sections of the post in close contact, substantially as described.

15 3. The combination, in a portable fence, of panels having a post at one end and lateral tongues at the other end, bed-pieces apertured to receive the post, and a complementary post-section having beveled gains to receive
20 the tongues, and means for securing the post to the bed-piece, substantially as described.

4. The combination, in a portable fence, of the panel having a post at one end and lateral tongues at the other end, the bed-piece F, hav-

ing notches at its ends centrally apertured, the 25 complementary post-sections C and H, adapted to enter said aperture and having notches on their sides, the braces J, extending from the notches in the post to the notches in the two pieces, and means for securing the post 30 detachably to the bed-piece, substantially as described.

5. In a portable fence, the combination, with the panel having a post at one end and lateral tongues at the other end, of the bed-piece F, 35 centrally apertured and having notches near its ends, the complementary post-sections C and H, having notches near the top, the braces J, adapted to enter the notches in the post and bed-pieces, and the securing-pins L and 40 O, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK. A. DE LAND.

Witnesses:

M. B. O'DOHERTY,

N. L. LINDOP.